

Understanding the WEFE Nexus: Integrating Water, Energy, Food, and Ecosystems for Climate Mitigation and Resilience

Day 1: Introduction to the WEFE Nexus Framework

- **9:00 AM - 10:30 AM:** Lecture – Key Concepts of the WEFE Nexus (Water-Energy-Food-Ecosystems)
- **10:30 AM - 11:00 AM:** Break
- **11:00 AM - 12:30 PM:** Reading and Self-Study – Key Papers on WEFE Nexus and its importance for sustainability

Day 2: Introduction to the WEFE Nexus Framework (Continued)

- **9:00 AM - 10:30 AM:** Lecture – How the WEFE Nexus contributes to climate resilience
- **10:30 AM - 11:00 AM:** Break
- **11:00 AM - 12:30 PM:** Group Discussions – Exploring WEFE connections in various industries

Day 3: Case Studies on WEFE Nexus in Practice

- **9:00 AM - 10:30 AM:** Presentation – Case Studies of WEFE Nexus in Agriculture and Water Management
- **10:30 AM - 11:00 AM:** Break
- **11:00 AM - 12:30 PM:** Group Discussion – Applying lessons learned from case studies to local contexts

Day 4: Case Studies on WEFE Nexus in Practice (Continued)

- **9:00 AM - 10:30 AM:** Presentation – WEFE Nexus in Energy Production and Ecosystem Management
- **10:30 AM - 11:00 AM:** Break
- **11:00 AM - 12:30 PM:** Small Group Work – Reflect on case studies and propose solutions for local challenges

Day 5: Field Visit to Local Sustainability Projects

- **9:00 AM - 10:30 AM:** Field Visit – Local Renewable Energy Project (e.g., solar installation or wind farm)
- **10:30 AM - 11:00 AM:** Break

- **11:00 AM - 12:30 PM:** Group Analysis – Effectiveness of local renewable projects in addressing Nexus issues

Day 6: Field Visit to Local Sustainability Projects (Continued)

- **9:00 AM - 10:30 AM:** Field Visit – Faculty of Biotechnological Sciences – hands-on experience regarding the Lab work at the department of food safety
- **10:30 AM - 11:00 AM:** Break
- **11:00 AM - 12:30 PM:** Group Analysis and Presentations – Success factors and challenges in local sustainability projects

Day 7: Collaborative Curriculum Design Workshop

- **9:00 AM - 10:30 AM:** Brainstorming – Designing interdisciplinary lesson plans based on the WEFE Nexus
- **10:30 AM - 11:00 AM:** Break
- **11:00 AM - 12:30 PM:** Group Work – Developing teaching modules focused on sustainability and climate resilience

Day 8: Collaborative Curriculum Design Workshop (Continued)

- **9:00 AM - 10:30 AM:** Group Work – Refining curriculum ideas and ensuring interdisciplinary connections
- **10:30 AM - 11:00 AM:** Break
- **11:00 AM - 12:30 PM:** Group Work – Finalizing lesson plans and preparing presentations

Day 9: Peer Review and Feedback Session

- **9:00 AM - 10:30 AM:** Presentations – Each group presents their curriculum designs
- **10:30 AM - 11:00 AM:** Break
- **11:00 AM - 12:30 PM:** Peer Feedback – Constructive critique and suggestions for improvement

Day 10: Reflection and Action Planning

- **9:00 AM - 10:30 AM:** Individual Reflection – Key takeaways from the program and personal learning
- **10:30 AM - 11:00 AM:** Break
- **11:00 AM - 12:30 PM:** Action Planning – Developing individual strategies for integrating the WEFE Nexus into personal and professional contexts
- **12:30 PM:** Q&A, Certificates